

Amendments to the Specification:

Please replace the paragraph beginning at page 37, line 17, with the following:

--Isolation of mouse C2 GlcNAcT genomic DNA and construction of a targeting vector bearing Cre *loxP* recombination signals was accomplished similarly as described (Priatel *et al.* (1997) *Glycobiology* 7: 45-56). R1 ES cells (Nagy *et al.* (1993) *Proc. Nat'l. Acad. Sci. USA* 90: 8424-8428) were electroporated with 10 µg of the linearized targeting construct and the resulting clones were screened by Southern blotting using the genomic probe. Targeted ES cells were electroporated with 5 µg of Cre expression plasmid and subclones bearing the C2 GlcNAcT^Δ and C2 GlcNAcT^F alleles were isolated. C2 GlcNAcT^Δ and C2 GlcNAcT^F chimeric mice were generated using standard techniques (Metzler *et al.* (1994) *EMBO J.* 13: 2056-2065) and were crossed into the C57BL/6 background for the generation of heterozygous and homozygous offspring. C2 GlcNAcT allelic structure was analyzed by Southern blotting and PCR. The wild type C2 GlcNAcT allele was detected using PCR primers adjacent to the deleted region (W5': 5'-GGG TTA CGG ATG AGC TCT GTG TC-3' (SEQ ID NO:1) and W3': 5'-CCC TGG AAG CAG GAC AAT TCT G-3' (SEQ ID NO:2)) resulting in a 304 bp fragment, while the mutant allele was detected using W5' and a *loxP* primer (M3': 5'-CTC GAA TTG ATC CCC GGG TAC-3' (SEQ ID NO:3)), yielding a 200 bp fragment.--

Please replace the paragraph beginning at page 63, line 10, with the following:

--Transferrin has two glycosylation sites, one at N432 and another at N630. A synthetic peptide which includes either of these Asn residues in a non-glycosylated state is used to immunize a rabbit or mouse. Since the unoccupied glycosylation site is abnormal, the rabbit or mouse responds by making antibodies that specifically detect the unoccupied glycosylation sequon or a unique conformation of the peptide that results from the absence of glycosylation at that location. One example of a suitable peptide has the amino acid sequence

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LAENYNKSDNCET (SEQ ID NO:4), which is identical to human transferrin amino acids 427-439. N corresponds to N432, at which site transferrin is normally glycosylated. Another suitable peptide has the amino acid sequence QHLFGSNVTDCSG (SEQ ID NO:5), which is identical to human transferrin amino acids 624-636, with N corresponding to the glycosylation site N630. No other proteins in the data base have this sequence.--

Please insert the accompanying paper copy of the Sequence Listing, page numbers 1 and 2, at the end of the application.